

# **SERVICE MANUAL**

**DATSON PICK-UP  
MODEL 620 SERIES  
CHASSIS & BODY**



**NISSAN MOTOR CO., LTD.  
TOKYO, JAPAN**

## **SECTION SE**

## **SERVICE EQUIPMENT**

**SERVICE EQUIPMENT ..... SE- 2**

**SE**

# SERVICE EQUIPMENT

## SERVICE EQUIPMENT

### CONTENTS

GENERAL DESCRIPTION .....	SE-2	Set "B" - ST09030000 .....	SE-2
SPECIAL TOOL SETS (SEE ATTACHED TOOL LIST) .....	SE-2	CLASSIFICATION OF SPECIAL TOOL .....	SE-2
Set "A" - ST09020000 .....	SE-2	TOOL LIST .....	SE-3

### GENERAL DESCRIPTION

1. Special tool "Grease Seal Drift ST35390000" is newly set up for the 620 model.
2. Special tool "Gear Carrier Stand Assembly ST0732S000" and "Gear Carrier Attachment ST06310000" are used for the purpose of setting gear carrier. This operation can be carried out if either of tools is provided.
3. Two kinds of tools are prepared for adjusting differential pinion height.

"Drive Pinion Height Gauge Assembly ST3110S000" has been provided for special tool "Height Gauge ST31101000" (Former tool number ST31100000).

#### Notes:

- a. Former tool set, No. ST31100000, was composed of "Height Gauge ST31101000" and "Spacer ST31102000."
- b. For service dealers who have only the special tool sets (Set No. ST31100000) for the 521 models, "Dummy Shaft ST31942000" is necessary.

"Drive Pinion Height Gauge Assembly ST3194S000" is newly set up for new service shop.

4. Special tool "Drive Pinion Rear Bearing Inner Race Replacer ST3003S000" is available to both the transmission and differential.

### SPECIAL TOOL SETS (SEE ATTACHED TOOL LIST)

The special tool sets are classified into two major categories:

#### Set "A"-ST09020000

This tools including in Set "A" are offered for the 620 models without regard to their destination.

The set is available for new and other dealers who must go through initial preparation.

#### Set "B"-ST09030000

This set is designed for the 620 models without regard to their destination.

The set is prepared for dealers who already have the special tool sets for the 610 or 510 models, but have not for the 521 models.

### CLASSIFICATION OF SPECIAL TOOL

	Classification	
	Important	General
I. Inspection and minor repairs	1	4
II. General disassembly and assembly	2	5
III. Special disassembly and assembly	3	3

- A. Important
  - a. Exclusive with no alternative
  - b. Parts likely will be damaged if repaired without special tool.
  - c. Gauges
- B. General
  - To facilitate servicing
- I. Inspection and minor repairs
  - a. Inspection and maintenance
  - b. Unit replacement
  - c. Minor unit disassembly
- II. General disassembly and assembly
  - General disassembly such as engine, transmission and differential.
- III. Special disassembly and assembly
  - a. Disassembly of exclusive parts such as automatic transmission and electrical accessories
  - b. Special work such as boring and welding
  - c. Work very rarely required

## TOOL LIST

## SERVICE EQUIPMENT

No.	Tool Number	Tool Name	Class	Reference
1	Engine			
	ST05260001	Engine attachment	5	
	ST10120000	Cylinder head bolt wrench	2	
	ST10640001	Pivot adjuster	1	
	ST1103S000	Valve guide reamer	3	
	ST11031000	Reamer [12.2 mm (0.480 in) dia.]		
	ST11032000	Reamer [8.0 mm (0.315 in) dia.]		
	ST11033000	Drift		
	ST11650001	Valve seat cutter set	2	
	ST13030001	Piston pin press stand	2	
	ST15310000	Crankshaft rear oil seal drift	2	
	ST1651S000	Crankshaft main bearing cap puller	2	
	ST16511000	Body		
	ST16512001	Adapter		
	ST16610001	Pilot bush puller	3	
	ST17420001	Chain stopper	2	
	ST19150000	Anti-dieseling solenoid spanner	4	

# SERVICE EQUIPMENT

No.	Tool Number	Tool Name	O Included in each set			
			Set A	Set B	Class	Remark
2	Clutch ST20630000	Clutch aligning bar	0	0	2	
		Base plate	0	0	4	Former tool No. ST20051000
		Distance piece	0	0	4	Former tool No. ST20058001
		Diaphragm adjust wrench	0	0	4	Former tool No. ST20050000
3	Transmission ST23540000	Fork rod punch (4 dia.)	0	0	2	Former tool No. ST23510000
		Synchronizer hub puller	0	0	2	
		Counter shaft guide (17 dia.)	0	0	2	
		Transmission adapter (31/44 dia.)	0	0	2	
		Drive pinion rear bearing inner race replacer				
		ST3003S000				Former tool No. ST30030000
		ST30031000	Puller			Refer to General Information
		ST30032000	Base			
4	Differential ST0732S000	Gear carrier stand ass'y			5	Refer to General Information
		ST07321000	Stand			
		ST07311000	Attachment			
		ST06310000	Gear carrier attachment		5	Refer to General Information
		ST3306S001	Diff. side bearing puller	0	2	Former tool No. ST3306S000
		ST33061000	Body			
		ST33051001	Adapter			
		ST31530000	Drive pinion flange wrench	0	2	
		ST3003S000	Drive pinion rear bearing inner race replacer	0	2	Former tool No. ST30030000
		ST30031000	Puller			Refer to General Information
		ST30032000	Base			
		ST33230000	Diff. side bearing drift	0	2	
		ST3110S000	Drive pinion height gauge ass'y		2	Refer to General Information
		ST31101000	Height gauge			Former tool No. ST31100000
		ST31102000	Spacer			
SE 4	ST3194S000	ST31942000	Dummy shaft			
		ST31941000	Drive pinion height gauge ass'y	0	2	Refer to General Information
		ST31942000	Height gauge			
		ST31942000	Dummy shaft			

# SERVICE EQUIPMENT

No.	Tool Number	Tool Name			Set A	Set B	Class	Remark
			ST0902 0000	ST0903 0000				
	ST32110001	Side bearing cap gauge	0	0	5			Former tool No. ST32110000
	ST30611000	Drive pinion outer race drift bar	0	0	2			
	ST30612000	Drive pinion outer race drift adapter	0	0	2			
	ST30613000	Drive pinion outer race drift adapter	0	0	2			
	ST23510000	Fork rod punch	0	0	2			
5	Front Axle							
		King pin bush drift	0	0	2			
		King pin bush reamer	0	0	2			
		Lower link bush drift	0	0	2			
		Grease seal drift	0	0	2			Newly established
6	Rear Axle							
		Bearing lock nut wrench	0	0	2			
		Rear axle stand	0	0	2			
		Sliding hammer	0	0	5			
		Bearing puller	0	0	2			
7	Steering							
		Steering gear arm puller	0	0	2			
		Steering wheel puller	0	0	2			
		Steering ball joint puller	0	0	2			
8	Brake							
		GG94310000						
		Brake pipe torque wrench						
	ST08060000	Master-Vac oil seal press-fit tool						
	ST08080000	Master-Vac wrench						